VOLUME XLV::::NO. 10.

BOSTON, SATURDAY, DECEMBER 5, 1885.

WHOLE NUMBER 2286.

Editorial.

DECEMBER ON THE FARM.

tant that it should be well ventilated, that the | CONTINUED REPORT air may at all times be free from bad odors Regularity in feeding is absolutely necessar omy is to be secured. A herd of cattle hat is always fed at a particular time, and

If the barn is to be in charge of hired help, the farmer must hire only such help as have had la-ge experience and are adapted to the feed to the best advantage.

MULCHING FOR WINTER PROTEC-

some protection to carry them safely through the winter. It is not the river cold that, as a rule, does the mischief, but rather the frequent sudden changes, freezing one day and the sudden changes of the sudden chan

aproved by heavy mulching; but if any of the land, but I would credit the account good shelter for mice, care must be taken to whole surface will make a lasting improve-

| The content of the

DISCUSSION

nawing the next; small plants especially ESSAY BY BEN. PERLEY POORE. the close of the key what lose of the last year. Save injured in this way, and often entirely killed, unless afforded some protection by mulching. The strawberry in exposed positions is very often injured if left uncovered; but the strawberry is a plant that requires the deepest sorrow, To occasionally look graden plants, because, being a partial every often and who, having heard that a crow would live a hundred years, caught and caged one, that he dight ascertain from personal observation whether it was so. With equal propriety might I, who began to plant acorns about thirty years since, and who can now enjoy the shade of five and twenty acres of thrifty as trees, varying from one inch to one foot in diameter, attempt to render you an estigreen, it is not safe to cover it to any great depth, or to cover it with any material which will settle down so close as to shut out the give you an estimate of the number of tons. will settle down so close as to shut out the air; coarse hay is really one of the best coverings that can be given the strawberry; but cornstalks, or even evergreen boughs, make a very good covering. Raspberry plants may be laid down and covered with earth, because there are no leaves to preserve.

Young, and even old, trees, are very much by the annual taxes and the interest on the value.

Young, and even old, trees, are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value and the country and quality of the grass are very much by the annual taxes and the interest on the value. Young, and even old, trees are very much the annual taxes and the interest on the value

> good snetter for mice, care must be taken to protect each tree with a mound of earth to reach above the mulching. The material to be used for mulching the orchard, must be governed by the condition of the soil; if the soil be a moist, heavy soil, a few inches in depth of sand makes an excellent mulch, and will very much improve the orchard if it be spread over the whole land; but if the soil is spread over the whole land; but if the soil spread over the whole land; but if the soil English nurseries, but deprived of vitality by old swamp is an excellent material, and a covering of two or three inches over the at a trifling cost to thrive in the moist clinot be duplicated on this side of ment. The practice of spreading on such the Atlantic, where labor is high, and where the material for a mulch, and covering only a small space around each tree, is a very poor small space around each t

are nearly dry. Even the river Jordan is a shallow, muddy stream, the springs have dried up, and what was once a succession of

ted with trees in such a way as will make his outlay a profitable investment. But I carnestly recommend every land-holder, esgrow quickly, and it is what the miners call

have demonstrated that the wood is heavier harder, stronger and tougher than oak.

I am aware that the locust tree is pre

cust tree also fold up at night, and an ins

Ploughman Building, 45 Milk St.

CONTINUED REPORT

THE CHAIRMAN-We have fifteen min

At the New England Agricultural Hall,

Boston, Saturday, Nov 21, 1885

DISCUSSION

ELBRIDGE CUSHWAY, President

EDMUND HERSEY, ANDREW H WARD, DR. LOWE, and others.

REMARKS OF D. H. THING, OF MAISE. nan-I am not prep

be to meet the demands which the world has upon us. The next, and a very important point to all of us, but a very much forgotten point, very much neglected, is that during all the time that we take the crops from the soil we must keep up the fertility of our acres. That is a matter we ought to keep in view. I hope that some of you have got good, vigorous corn. Doubtless you have put on fertilizer enough to keep the land in good conditions agree with the gentleman entirely. I merely ground to keep the land in good conditions the conditions agree with the gentleman entirely. I merely ground to keep the land in good conditions the source of the methods of harvesting. I merely ground to keep the land in good conditions the conditions the source of the methods of harvesting. I merely ground to keep the land in good conditions the source of the methods of harvesting the difference of the methods of harvesting the difference of the methods of harvesting the difference of the methods of harvesting the following the difference of the methods of harvesting the difference

are in introducing to you Mr. D. H. left a debt which posterity has got to pay. Profi of Farming in New England. Mr. Chairman—I am glad to know that there

they have added this to the aggregate wealth of the country. This, my brother farmers, shows how much the farmers have done all over this great country of ours.

Corn Raising Prefitable in Massa.

Chusetts.

In my observation in raising corn, in view of the improvements which have been made, I think there is as much profit in raising corn in Massachusetts for the market as there is in any State in the Union. It is hard figuring out where our profits will come from this year. It may be an exceptional year in the business. I alluded to the hog product, but I doubt if there is profit enough in the hog product in New England to pay a year's subscription of the Massachusetts Ploughman. Formerly, in connection with one line of farming business, we had to carry on other lines. We could not, on our hilly, rocky farms in New England, to pay the ready to enter into it, and it is astonishing with what rapidity the and those dependent upon us. The next must be to meet the demands which the world has growth if the land is as clear of weed seed as it world to be a support to have a support to be a suppor

n culture is before us, and we shall be glad to hear a word from you. REMARKS OF ANDREW H. WARD.

MEETING OF FARMERS.

The winter season has opened. Never was months a smoother or pleasanter one. We may have a mild winter we may have a mild winter, we may have a mild winter the first winter cope, is closing with bright proson on to experience such extremely collect the part of the corning season by that of the winter that the reaction of the winter cope, is closing with bright proson on to experience such extremely collect the part of the corning season by that of the winter that the reaction of the winter crops, is closing with bright proson on to experience such extremely collect the part of the corning season by that of the winter that the reaction of the winter crops, is closing with bright proson on to experience such extremely collect the part of the corning season by that of the winter that the reaction of the reaction of the winter crops, is closing with bright proson on to experience such extremely collect the part of the corning season by that of the winter that theretarded the destruction of the winter that theretarded to the extreme severity of the corning season by that of the winter that theretarded the destruction of the winter crops, is closing with bright proson on the extreme severity of the corning season by that of the winter that theretarded the destruction of the winter that theretarded the destruction of the winter that theretarded the destruction of the special collection. The control of the corning season by that o the weap have a mild winter this the winter, we may have a mild winter this the winter, we may have a mild winter this not stretching it much to say that for the properties of the winter that is not stretching it much to say that for the properties of the winter that is not stretching it much to say that for the properties of the winter that is not stretching it much to say that for the winter that is not stretching it much to say that for the winter that is not stretching it much to say that for the winter that is not stretching it much to say that for the winter that is no barrier to the poor consumer. The Commissioner says that for the winter this port of the winter this port of the winter the winter that is no barrier to the poor consumer. The Commissioner says that for the winter this port of the winter the winter this port of th of temperature, either hot or cold, are the has been a more intimate relation between days shorten and the evenings grow tural colleges, and a more practical co-opera-

orth a discussion of unexpected interest. what parts of the country produce the best rily, a single meeting of the kind cereals. The review of the course of agriwould exhaust a subject so familiar, but the cultural production for the country for the ssion took so wide a range, and branched past fifteen years shows an estimated increase ut into so many related ramifications, that in corn of 36,000,000 acres, or 80 per cent.; ture will hold its annual "Farmers' Meetit was left very far from being exhausted, and in wheat, of 20,000,000 acres, or 108 per ing" at Norwich, Conn., on the 15th, 16th, ontinuance of the discussion has been cent.; in oats, of 13,000,000 acres, or 142 and 17th days of the present month. Secreearnestly requested by a large number of per cent.; and in all cereals taken together, tary T. S. Gold issues a highly attractive rsons. The interest manifested was so of 67,000,000 acres, or 99 per cent. Dur- programme, which should insure a large meet great, on the occasion of the last meeting, ing the period of the partial failure of the ing of the farmers from all parts of the State reat, on the occasion of the lectures and essays to be all felt that so much still remained unaid it has been decided to announce the of the wheat area was extraordinary. The given to the meeting are as follows: Nutriame subject for the meeting of Saturday of increased breadth of corn culture was helped tive and Manurial Value of Wheat Bran present week, December 5. No doubt by the foreign trade in breeds and fresh Insects injurious to the Apple ; How to Save culture has of late been greatly increased ports in pork products, induced by the cheapwill be large and enthusiastic, and a highly ness of corn. The cultivation of oats has re- Contracts, Landlord and Tenant; the Game ctive discussion may be expected as the ceived an impetus from the feeding of rust- Laws; What the Cattle have said about result. Corn culture is once more coming to proof varieties in the South and the need of Twenty different kinds of Food during Ter he front in our farming system, and it is less heating food for horses than corn. destined again to take the place it formerly The increase from 69 million acres of ce-duction and Care; Some New Features of

The state of the control of the cont

the avoidance of the trenship attendent upon a country gamed their experience in it possible sign of a Liberal angiority is different complishment of a Liberal angiority is due to the country of the complishment of the complis

such a meeting but incorporated and endowed bury is the present head will, beyond quesas an institution, it would be regarded as an tion, remain in office, and although it be invaluable agent in the inculcation of right equally true that the Parnellites will hold principles in agriculture and the dissemina-tion of indispensable knowledge. But it is less an institution for being supported by erals hold the balance of power. Mr. Glad-Age Persons desiring a change in the address of the State for the benefit of all its citizens who stone, as has been said, has it in his power are engaged in agriculture, to be availed of to deprive Parnell of all the benefits the lat- going to be a boy as long as he lived. by them free of cost, with the intelligent diction of the State Board in the proceedings. Iriah party. He need only ally himself with very successful convention at St. Louis. t is with peculiar satisfaction that we note the Conservatives on al! Irish measures to do There will be a "Meeting of Farmers" in the the advance that has been made within a few this, and such an alliance would be exceed- the New York Central has been enjoined. Hall of the Ploughman Building, 45 Milk St. years in both the character and work of these ingly grateful to the Tories. In fact, a rumeetings. Every year they come nearer to mor already prevails that Mr. Gladstone the fulfillment of the largest conceptions re- had intimated to Lord Salisbury a willingness

secret tests of human endromes. As the days shorten and the evenings grow transferred or the evening and the partners of the days shorten and the evenings grow transferred or the evening and the evening and the partners of the evening and the evening and

CONNECTICUT STATE BOARD OF

endance of those whose interest in meats, and the sudden enlargement of ex- and How to Keep our Fruits; The Germ Years; Milk for Towns and Cities-its Proheld, and even a higher one, in our agricul- reals, in 1870, to 136 millions at the present the Dairy Interest; Agricultural Fairs; Ex-

REMARKABLE LONGEVITY. READ AND RUN.

mac River. -Congress will be in

-Elizur Wright said to the last that he was - The Cattle and Horse Growers held - The lease of the West Shore Railroad

-Local option, with high license as the alternative, is the law on liquor in Nebraska. - The Yale alumni are moving for subscripspecting their usefulness. This last meeting to give the whole Liberal strength to the specting their usefulness. This last meeting to give the whole Liberal strength to the tions to a new gymnasium, to cest \$100,000.

— The season for swapping presents is said. - The season for swapping presents is said of East Providence, R. I. unbiect of "Corn Culture" will be continued. that it is only the promise of better things measures, in order to prevent the necessity to be near. That is too often about the size of it,

regular astronomical observations will begin.

—Mme. Durand (Henry Greville) said in one of her lectures in Boston that in Italy suffrage would be thrown away on women. There they spend their days in the churches, fanning they spend their days in the churches, fanning the spend the spend

themselves.

— A surplus of 300,000 tons of grain is said to await shipment at Portland, Oregon, from the interior. It all has to be carried at least 200 miles over a monopoly railroad, at a charge of \$6 per ton. of \$6 per ton.

IT TELLS THE STORY.

the experiences and observations in Dakota of one of the most prominent and practical agri-A remarkably clear and concise states Ploughmon for forty-five years. By the aid of its teachings, he lived a quiet, peaceful and honored life, dying Nov. 18 ult., in the eighty-sixth was a fall one of the most prominent and practical agriculturists in America, will be sent free to all who will send their addresss to P. O. Lock Box 273, Chicago, Ill.

One of the most prominent and practical agriculturists in America, will be sent free to all who will send their addresss to P. O. Lock Box 273, Chicago, Ill.

Christine Millsoon, eighty-sixth year of his age; and was laid to ble fact that the average age of six brothers and interest. and sisters of the family of which Mr. Bick-

nell was one is eighty-three years. One brother survives, at ninety, James Bicknell THOMAS W. BICKNELL.

King Milan was forced to retreat by the failure of the commissariat service.

— In the Dead River region of the Maine backwoods the skeleton of a man was recently discovered found caught fast in a bear trap, where he had been starved to death.

— The Grand Trunk Railway Company of Canada has just discovered that a gang of clever forgers have been conducting a huge swindle by means of forged bills of lading.

— The large telescope in process of perfection at Cambridge for the Lick observatory at San Jose, Cal., is soon to be set up in its place, when

> washed away in some places slices of the shore 200 to 300 feet long and 30 feet wide. Sections of the Chatham beaches are now entirely sub-

diately relieved by the use of Ayer's Cherry Pectoral. Treatment. By Saturday he was so much bet-- The late Father Mathew's favorite maxim of \$6 per ton.

—The late Father Mathew's tavorite maximiter that he wanted to leave the hotel and go to his home in Poughkeepsie. We lifted him along as gently as we could, and in a few hours behind." He was himself a very great econo-

- The South End Industrial School in Boson has a cooking department, a dressmaking

which he belongs in the New York Stock Exthe famous prima donna, has written an arti- change at the end of the present year, and will viving brother, over ninety years of age, rode in his carriage on a stormy day, seven miles in his carriage on a stormy day, seven miles
to attend the funeral. It is a most remarkabut her article is said to be of remarkable value
but her article is said to be of remarkable value
he is most largely interested. Mr. Gould says he is fifty years old, and has been on the str twenty-five years.

— The biennial election system now prevails in thirty-six States of the Union. There has not been any lengthening of legislative sessions in consequence, while legislative expenses have been greatly reduced.

— The work of preparation for the American concede from previous prices to effect sales. If the proposed that nearly all the mills in Minneapolits is alonged grinding, and that they intend to remain the complete success of the exhibition, as a thorough display of the arts, in thirty-six States of the Union. There has no one defined and the prices are the same. Oats are quiet, but firm. The work of preparation for the American concede from previous prices to effect sales. If the proposed that nearly all the mills in Minneapolits is along the concede from previous prices to effect sales. If the proposed that nearly all the mills in Minneapolits is along the concede from previous prices to effect sales. If the proposed that nearly all the mills in Minneapolits is along the concede from previous prices to effect sales. If the proposed that nearly all the mills in Minneapolits is along the concede from previous prices to effect sales. If the proposed that the prices are the same of the case of the exhibition, as a thorough display of the arts, in the concede from previous prices to effect sales. If the proposed that the prices are the same of the case of the exhibition in the concede from previous prices to exhibit the concede from previous prices to

Amount of Stock at market : Beeves. Sheep. Shoats. Fat Hogs. his week. 2194 13,370 247 16,363 ast week. 1278 13,100 120 19,660 ne yr ago.2561 14228 287 16,754

Horses 210 Prices.

21 @3c. Pelts. - 50c@ 1 10 each; country lots, 50c@ 1 10;

CATTLE AND SHEEP BY RAILROAD. Drovers & Droves. Cattle and Sheep

The trade holds out well. Sales of 2 Hetfers (elin. \$35 \(\psi \) head, 1 Cow and Calf at \$40, Sale of 1 New Mitch Cow at \$38. Sale of 1 Milch Cow and Calf at \$50, are special note of the following

VEAL CALVES. STORE PIGS AND PAT HOGS.

FLOUR AND GRAIN MARKET. BOSTON FLOUR AND GRAIN.

Bye.—Steady at 75c W bush for No. 1 New York

NEW YORK, Nov. 30.—Flour—Market withou quotable change, ruling dull and weak; sales, 13,80 bbls; No. 2 at \$2,35,23 10; superfine Western an State at \$3 50,23 50; common to good extra Wester and State at \$3 40,33 90; good to choice do at \$3 96,5 5 50; common to choice white wheat Westernand State at \$3,00,30 10; and \$3,00 1

DETROIT, Nov. 30 .- Wheat steady; No. 1 white at

. 2 Milwaukee 844c. ts firm; No. at 28c4. rley quiet; No. 2, 52c.

BOSTON PRODUCE MARKET.

"I suffered with catarrh 6 or 8 years; tried many wonderful cures, inhalers, etc., spending nearly one hundred dollars without benefit. I tried Hood's Sarsaparilla, and was greatly improved." M. A. Anbey, Worcester, Mass. Hood's Sarsaparilla is characterized a three peculiarities: 1st, the combination of remedial agents; 2d, the propertion; 2d, the process of securing the active medicina qualities. The result is a medicine of unusual strength, effecting cures hithorto unknown. Send for book containing additional evidence. "Hood's Sarsaparilla tones up my system, purifies my blood, sharpens my appetite, and seems to make me over." J. P. TROMESON, Register of Deeds, Lowell, Mass.
"Hood's Sarsaparilla beats all others, and Hood's Sarsaparilla

Sold by all druggists. \$1; six for \$5. Made only by C. I. HOOD & CO., Lewell, Mass. 100 Doses One Dollar.

A WEALTHY FARMER'S RELIABLE TESTIMONY.

May be obtained by the cont May be obtained by the continumy hair began to turn gray, and became nearly bald. Ayer's Ha of the original color. I have apand my hair is now strong and a Near the thriving village of Dur about 70 years. Mr. St I had been troubled, for y scalp disease, and my hair and thin. The use of five Ayer's Hair Vigor cured my Prepared by Dr. J. C. Ayer & C. tissue and fibre of the body

WEST SHORE R. R. CONDUCTOR

BUTTER, CHEESE AND EGGS BOSTON BUTTER MARKET.

BOSTON CHEESE MARKET.

BOSTON EGG MARKET.

Rotail Prices.

BEEF, Ac

Poultry, Game, &c.

160 CONGRESS ST.,
P. H. DOWNES, Sole Agent for Conn. at
Providence, R. I. Get a free sample from you
nov14 52t

WELLS. RICHARDSON & CO., Burlingto

Alberty pe & Photo Lithograph Metal & Glass Show Car

SCRAP PICTURES

FARM IMPLEMENTS & FERTILIZ

Dogs, Canarie And All Pet Birds

rilla eradicates all tra Sarsaparina crantes serofulous taint from the syst Ayer's Prepared by Dr. J. C. Ayer & C

Scrofulous

ted, carries disease

A Luxurian

Ayer

Stover

WATERPROO OIL DRESSING

LESS WORK apply than any other dressing. Gua Il that is claimed for it, when used a noney refunded. Made solely by

YOU CAN DYEARY COL

FORBES 181 Devonshire Stree

BOSTON. Lithographers,

ALF. COOKE'S CELEBRATED AD TISING CIRCULARS.

DIPLOMAS AGRICULTURAL FAI

JACOB GRAVES,

QUINCY MUTUAL

BOSTON OFFICE, NO. 27 STATE STREE

THY FARMER'S LE TESTIMONY.

CHEESE AND EGGS

EGG MARKET. L MARKET, BOSTON. il Prices

6 g 10 g 10

CUIL HALL MARKET;

10 | # B. . . . 6 g 10 10 | Lamb, # B. . 6 s 9 11 | Do. spring, b 8 g 10 Cheese and Eggs.

packed . 14 g 18
20 Com.grades. 10 g 14
CHEESE. White flat. b # 60

2 3 50 Celery # dozen . 75 # 1 25

5 60 Lettuce, # 0 dozen . 25 # 50

3 50 Spinach, # 25 # 50

Rhubarb B

Bernuda
onlone.

A Luxuriant Growth Of Hair

obtained by the continued use of Ayer's Hair Vigor. ** A few years ago obtained by the continued use of Ayer's Hair Vigor. A few years ago
to began to turn gray, and, a short time after, fell out so freely that I
nearly bald. Ayer's Hair Vigor stimulated a new growth of hair, and ely baid. Agent a policy the Vigor, occasionally, since that time, is now strong and abundant.—Ira D. Kennah, Utica, N. Y. aw strong and abdudant.—Its D. Kennan, Ulca, N. I.

uhled, for years, with
d my hair was weak
use of five bottles of
groured my scalp, and
color to gray hair, promotes a vigorous
growth, and keeps the hair soft and
pliant.—Mrs. M. V. Day, Cohoes, N. Y. Ayer's Hair Vigor,

by Dr. J. C. Ayer & Co., Lowell, Mass. Sold by all Druggists and Perfumers

Affections are in the blood, which, carries disease to every of the body. Ayer's Scrotula in the system, and suggest dicates all traces of the alterative treatment. For this purpose, Ayer's Sarsaparilla is unequaled at from the system.

d Ayer's Sarsaparilla is unequated.

I was always troubled with a Scrofulation of the less than the serious Humer. Lately my lungs have been affected, causing much pain and difficulty in breathing. Three bottless of Ayer's Sarsaparilla have relieved my lungs, and improved my health generally.—Lucia Cass, Chelsea, Mass.

Ayer's Sarsaparilla,

WHEELER'S

Windmill. Stover



HIGHEST AWARD CENTENNIAL. HIGHEST AWARD

MASS. CHAR'LE MEC'S ASSOC'N, 1884. THE SIMPLEST MILL MADE

C.B.& Q.R.R.

HEXRY W. PEABODY & CO.

"EUREKA!" WAMPIRE MBLACK

WATERPROOF OIL DRESSING,

Barbelling Perfect FAMILY SCALES

YOU CAN DYE ANY COLOR

WELLS, RICHARDSON & CO., Burlington, Vt. O Principal and interest Absolutely Secured. Pire Lian on Boal Emate. Address MIDSUEAPOLIS LOAN AND SECURITY CO., Minneapolis, Mine

Grind your own Bone, GRAHAW Floffe and Corn
othe SSHAND MILLIA

ter. 'Also POWER MILLS and FARM FEED MILLS. froulars and Testimonials sent explication. WILSON BROS., Easton, Pa.

FORBES MANUFACTURING CO.

181 Devonshire Street, BOSTON. Albertype & Photo-Lithographers

Metal & Glass Show Cards SCRAP PICTURES,

ALF. COOKE'S CELEBRATED ADVER

TISING CIRCULARS. FARM IMPLEMENTS & FERTILIZERS. DIPLOMAS AGRICULTURAL FAIRS.

Dogs, Canaries, And All Pet Birds, JACOB GRAVES, Union St., Boston, M



QUINCY MUTUAL

NO. 27 STATE STREET.

MASS. STATE BOARD OF AG-

Three Days' Meeting at Framingham, Mass-

Tuesday, Wednesday and Thursday, Dec. 1, 2 and 3, 1883.

Potato Culture.

Potate Culture.

The opening essay was read by Edmund Hersey of Hingham, upon the subject, "Potato Culture." The results of his investigation were: 1st. The shape of a potato cannot be changed by the continued selection of any particular form of the seed planted. 2d. The crop may be increased by selecting for seed healthy, well-kept potatoes, and diminished by selecting for seed diseased and poorly-kept potatoes. 3d. Hard potatoes that have sprouted but little are better for seed than those that are soft or have long sprouts. 4th. sprouted but little are better for seed than those that are soft or have long sprouts. 4th. Long continued planting of any variety gradually changes its character, often improving it during the first twenty years after it comes from the seed; it then frequently begins to lose its good qualities and to become more susceptible to disease. 5th. Large crops are only obtainable on rich soils, well prepared by being thoroughly pulverized. 6th. In oronly obtainable on rich soils, well prepared by being thoroughly pulverized. 6th. In or-dinary field culture the size of the potato-should be sufficient to give the young plant a vigorous start; whole potatoes, or pieces weighing from one to two ounces, are not too large. 7th. Neither the size nor the form of the potato for seed is of so much conse-quence as its healthy condition or its vital powers. 8th. No rules can be laid down in regard to the quantity of seed per acre, the ount of manure or the parti of cultivation that will apply to ail farms.
9th. One or a half dozen experiments are not sufficient to establish any particular facts. It that it is safe to settle down to any re-as undeniable facts. 10th. While the ssful cultivator may gather from others

A paper was read by Secretary John E. Russell, giving the report of the manager of the Honghton Farm, Mountainville, N. Y., on the potato exhibit of the farm at two irs in Massachusetts. The exhibit showed he result of experiments in the methods of utting potatoes for planting. So far as one rial was concerned, the planting of fair-sized whole potatoes was the most satisfactory in esult. So far as comparison of 130 varieties is concerned, the following facts appear—though it is unfair to judge of the merits of my kind from observations in a single sea on: 1st. In productiveness alone, the seven arieties leading, standing in this order. varieties leading, standing in this order, are American Giant, Burroughs's Garfield, Cheeseman's Seedling, Riker's Graft, Chief, Beauty of Hebron, O. K. Mammoth Prolific.
2d. In the greatest number of merchantable potatoes this is the order of preference: Farina Blush No. 2, Chicago Market, Defiance, Beauty of Hebron, Rural Blush, Burroughs's Garfield, Adirondack.

3d. Of these varieties an iota to protect its people or animals from mentioned the following are objectionable, the disease, and advocated the appointment

EUREKA SILK. Burlington

and all Eastern points. It is the principal inter-SAM FRANCISCO, PORTLAND & CITY OF MEXICO It traverses all of the six great States of ILLING'S, IGWA, MISSOURI, NEBRASKA, KANSAS, COLORADO with branch lines to all their important cities and

INMA. MISSOURI. MESRASKA. KANSAS. COLORADO with mech lines to all their important cities and towns.
From CHICAGO, PEORIA or ST. LOUIS, it runs every day in the year from one to three elegantly emipped through trains over its own tracks between Chicago and Denver,
Chicago and Omaha,
Chicago and Council Biuffs,
Chicago and Council Biuffs,
Chicago and Atchison,
Chicago and Atchison,
Chicago and Atchison,
Chicago and Topeka,
Chicago and Sioux City,
Chicago and Sioux City,
Peoria and Council Biuffs,
Chicago and Sioux City,
Peoria and Council Biuffs,
Peoria and Council Biuffs,
Peoria and Kansas City,
St. Louis and Omaha,
St. Louis and Omaha,
St. Louis and St. Paul,
Kansas City and Denver,
Kansas City and Denver,
Kansas City and Omaha,
For all points in Northwest, West and Southwest.
Its seulpenen is complete and first class in every sarticular, and at all impertant points interlocking Switches and Signals are used, thus insuring comfort and safety.
For Tickets, Rates, General Information, etc., regarding the Burlington Route, Callon and Yickets,
Rent Per Council on and State of Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado, or address tagent in the United States or Canado,

Cure Guaranteed CATARRI NERVOUS HEADACHE, ASTH-Sure relief and cure by using NO NAME, THE EUFFRIEND FRIEND. Send for testimo-nials and reliable reference.



RICULTURE.

The country meeting of the State Board of Agriculture opened its three days' session with the usual excellent programme, arranged through the energetic efforts of the Secretary of the board, John E. Russell, under the ap proval of the board's committee. A most in esting series of meetings was realized. The Town Hall had been appropriately decorated with a fine collection of farm products. The meeting was called to order by S. B Bird, representing the Middlesex South District of the State Board, and after a brief address of welcome he presented J. H. Temple, the historian of the town. Mr. Temple gave a complete description of Framingham in the past and present, and mentioned the various places of interest in the town, giving to the risitors-according to established custom at these meetings-an idea of the place where or three days they were to be located.

much valuable information to assist him in his investigatien, for the details, if he would produce large crops at the least possible cost, he must rely principally upon the practical experience he has obtained by working on his own fars.

ture mass. What narmers usually call composts are really but little more than mits, meather. Modern practice locates the fertilizer where the different crops would nature ally find it; it does not often seen the roots of heat-loving plants, such as not consider the problems of the production of the

ble are of great importance not only in this disease, but in all such diseases. Then the milk of the cow diseased with tuberculosic can produce the same disease in young animals when fed upon it, and such milk is dangerous as food for human beings, especially babies; the flesh of the diseased animal is also dangerous. Tuberculosis can be transmitted to healthy animals or persons by their sontinually breathing air polluted by others having the diseate. Now as to prevention. The speaker here declared that Massachusetts, as well as other States, was not doing the disease.

THE YOUTH'S COMPANION.

The aim of the Companion is, to provide the best matter for the instruction and entertainment of its subscribers. In pursuance of this purpose, we announce important accessions to its list of Contributors, that already includes nearly all the distinguished Authors of this country and Great Britain, and some of those of France and Germany. A few selections from the Announcements for the year 1886 are given below.

A CAPITAL SERIAL FOR BOYS, by IRON TRIALS, a Thrilling Story, by AN ANONYMOUS LETTER, by QUEER NEIGHBORS, by

GEO. MANVILLE FENN. M. R. HOUSEKEEPER. C. A. STEPHENS. CHARLES EGBERT CRADDOCK.

Adventures.

Natural History.

INCIDENTS OF ANIMAL Sagacity, by REV. J. G. WOOD, NEW STORIES from the Fisheries, by Prof. SPENCER F. BAIRD. DOGS WHO EARN THEIR LIVING, by JAMES GREENWOOD.

ARCTIC ADVENTURES, by Lieut. GREELY, U. S. N. THE SLAVE CATCHERS of Madagascar, Lieut. SHUFELDT.
AMONG THE BREAKERS, by C. F. GOEDON CUMMING. CANADIAN ADVENTURES, by ADVENTURES OF STOWAWAYS, by MY ESCAPE from Morro Castle, by a Cuban Patriot, JUAN ROMERO.
A BOY'S ADVENTURES in Montana, by
JAMES W. TOWLE.
MY ADVENTURE with Road Agents,
FRANK W. CALKINS. MY ADVENTURE with Road Agents, EXPLOITS with Submarine Boats and Tor-pedoes in Naval Warfare, by

STORIES of Old Trappers and Fur-Buyers, AMUSING SKETCHES of Whale-Hunting, F. W. CALKINS. A. F. MYERS. PERILS OF PEARL DIVING, by THE ROGUE ELEPHANT, by W. T. HORNADAY.

Special Articles.

T. C. HOYT.

CHANCES FOR AMERICAN BOYS, by DRAMATIC EPISODES in English History, by GLIMPSES OF ROUMANIA, by A MUSIC LESSON, by the Fan OBSCURE HEROES, by THE VICTIMS OF CIRCUMSTANCES, by THE SPEED OF METEORS, by OUR FUTURE SHOWN BY THE CENSUS, by

CHRISTINE NILSSON. WILKIE COLLINS. FRANCIS A. WALKER.

ADVICE TO A BOY ENTERING COLLEGE, Four Papers, by

President C. W. ELIOT, of Harvard University. President NOAH PORTER, of Yale College. President F. A. P. BARNARD, of Columbia College. Professor MOSES COIT TYLER, of Cornell College.

Useful and Practical.

BOYS WHO CAME FROM THE FARM, H. BUTTERWORTH. VIOLIN BOWING—Buying a Violin, by BOBT. D. BRAIN.
LOCKS AND KEYS; or Wonders of Locksmiths, H. E. WILLIS.
SMALL STOCK-RAISING for Boys, by LEMUEL PAXTON.
SHORT-HAND AS A PROFESSION, REBERT W. GLEASON. BOBT. D. BRAIN. LEMUEL PAXTON. HOW TO FORM a Young Folks' Shakespeare Club, Prof. W. J. ROLFE. HOME-SEEKING IN THE WEST-Homesteading— How Land is Pre-empted-Farming and Irriga-tion—How to Secure Land by Tree Culture, by E. V. SMALLEY.

THE PERILS OF PRECOCIOUS CHILDREN, Dr. W. A. HAMMOND.

AMOS MURRAY.

Illustrated Sketches.

YOUNG MEMBERS OF THE HOUSE OF COMMONS, by AMONG CANNIBALS, by THE PRINCE AND PRINCESS BISMARCK, by LORD TENNYSON AMONG HIS FAMILIARS, by FIGHTING THE ARCTIC COLD, by AN EDITOR'S EXPERIENCE IN THE WILD WEST. LIFE IN TURKEY, by the U. S. Minister to Turkey, TRICKS OF MAGIC AND CONJURING EXPLAINED. BITS OF TRAVEL IN SOUTHERN CALIFORNIA and Santa Fe, by

JOSEPH HATTON. BRAM STOKER Lieut. SCHWATKA J. L. HARBOUR. Hon. S. S. COX.

The EDITORIALS on leading events at home and abroad will be fundamental in character, and marked in their impartial ent of the subjects discussed. The CHILDREN'S PAGE will be a special feature, as heretofore, and will be filled with jingles, and pictures adapted to the youngest readers.

FREE TO JAN. 1, 1886. To any one who subscribes now, and sends us \$1.75, we will send the Companion free from the time the subscription is received to January 1st, 1886, and a full year's subscription from that date. Remit Money Order, Check, or Registered Letter.

Subscription Price, \$1.75 a year. Sample Copies Free. Please mention this Paper. PERRY MASON & CO., Publishers, 41 Temple Place, BOSTON, MASS.

Garfield, Adirondack. 3d. Of these varieties mentioned the following are objectionable, because rough and of bad shape: Chicago Market, Burroughs's Garfield, Adirondack, American Giant (rather deep eyes), Cheeseman's Seedling, Defiance. 4th. This leaves as favorably recorded on account of gross productiveness and merchantable in regard to both quantity and condition the Beauty of Hebron alone.

Address of J. J. H. Gregory.

an iota to protect its people or animals from the disease, and advocated the appointment of a State officer well instructed in methods of veterinary education all over the world, who knows all that has been done and who is capable of exploring still deeper into the relation of animal diseases to the people's health. Research, observational, statistical and experimental, is necessary, and to carry out as authority there should be selected the State Board of Agriculture in the second. The Congregationalist. 1886.

Address of J. J. H. Gregory.

James J. H. Gregory of Marblehead opened the afternoon session with a paper upon "Errors in Estimating the Value of Manures." Unleached wood and ashes, he held, was undervalued by farmers; the soil carted into pig-styes was apt to be overvalued. The value of the plant food the hog can make is to be measured by the potash, nitrogen and phosphoric acid that enters him in his food minus the quantity of these taken up in his growth. The hog has no creative power to add to the plant food which he takes. There is a difference between a mixture and a compost. A compost heap is one where there has been a destruction by fermentation and decay of the organic structure of every vegetable and animal substance that entered his homogeneous distribution through the enter mass. What farmers usually call composts are really but little more than mixtures. To produce a compost is the work of nature, requiring many months of warm weather. Modern practice locates the fertilizer where the different crops would nature like the factor which has gained public confidence; and is the State Board of Agriculture in the second. Boards of Health, in the first place, and the State Board of Agriculture in the second. Boards of Health, should be composed of an eminent jurist, the ablest hygienic special special in the State Board of Agriculture in the second. Boards of Health should be composed of an eminent jurist, the ablest hygienic special special special in the State Board of Agriculture in the second. Boards of Health should be composed of an eminent jurist, the ablest hygienic special special special in the State Board of Agriculture in the second. Boards of Health should be composed of an eminent jurist, the ablest hygienic special special

The Garden Fence.

Rev. A. E. Dunning. Prof. Austin Phelps, D. D., will write of

bers, at least one of whom must be new, \$12.50 W. L. GREENE & CO., No. 1 Somerset St., B

THE EMERSON PIANO CO., 130 TREMONT STREET, BOSTON.

Cibley's Tested Seed Catalogue free on application. Send for it.
HIRAM SIBLEY & CO.,
ROCERSTER, N. Y. AND CHICAGO, ILL.

BRONZE AND NARRAGANSET TURKEY'S. Bred 13 years for size an plumage, \$10 a pair. Tim Bunker of Turkey Raising, 25 cents. W. CLIF dec3 2.



Acme Sulky Swivel Plow, Corn Shellers,

Lever Hay Cutters.

ECONOMY

The Atlantic Monthly, for Dec

and at every Fireside.

G. & C. MERRIAM & CO., Pub'rs, Springfield Mass

or NEW YEAR'S GIFT to Delight the NEW ENGLAND

1209 Washington Street, Roston.

COLMAN'S The oldest and best Agricultural Weekle West. Founded by Hon. Norman . D. COLMAN, ST. LOUIS, MO.

Dissolution of Partnership.

Wanted. FIRST-CLASS FURNITURE
of our manufacture may be had at positive bargains.

A GENTS in every town to sell the "Raising an Management of Poultry," a phonographic report of the meeting of broaders and experts held it both last March.

Send 80 cents for a specimen copy to

a particularly fresh and strong issu ring both careful and skillful editorship ssima; Southern Colleges and Schoo discussed; Horace E. Seudder discourse elightfully on Childhood in Modern Literature; Quatrains by Different Hands are in sed : Mrs. Oliphant con

rybody will read, on The Idea of God; Portfolio, Postscript-After Glimpses, by Oliver Wendell Holmes; Louis Agassiz; Shakespeare's Fellows: The Contributors Club; and, Books of the Month. The poems -Corydon to Thyrsis, and To S. O. J .evitation to a Walk. A fine, strong number o close the year .- For sale by Cupples, Up-

Study of Religion, by Count D'Alviella Postal Savings Banks, by Professor D. B King; The Refracting Telescope, illustrated. ber, we do not ask you to buy them blindly; but merely to try them, at our risk. 125.000 by Charles P. Howard; Thomasville as a Winter Resort, by E. L. Youmans; The Social Life of Arctic Birds, by Dr. Alfred E. Brehm; The Spirit and Method of Scientific Study, by Prof. J. P. Lesley; Neuter Insects, by Charles Morris; Masson's Interpretation of Carlyle; Relations of Science to the Public Weal, second paper, by Sir Lyon Playfair, M. P., F. R. S.; The Uniformity of Nature, by the Bishop of Carlisle; Sketch of Professor Alpheus Hyatt, with portrait, by Ralph S. Farr; Correspondence; Editor's Table;

DUCKEYE FORCE PUMP. ng between Hong Kong and Packhie, left the gers and a general cargo. About seventy miles ut, forty of the passengers suddenly opened ed possession of the vessel and killed the IRON TURBINE WIND-ENGINE, ain and thrown him overboard, the pirates acked the vessel, made the captured chief T. B. EVERETT & CO. incer turn it about, and when about forty les from Hong Kong unloaded their plunder nto three junks that came alongside and sailed

Literary Notices; Popular Miscellany, and

Notes .-- For sale by Cupples, Upham & Co.,

- A young Yale student while off in New aven bay, on Thanksgiving Day, in an open oat, duck-hunting, was blown into the Sound nd found dead in his boat, which had been blown ashore, on the morning of the second day afterward, The body was frozen stiff, and ing long suffering. The gun lay in the boat coated with ice. Death had evidently over-

radically cured by improved methods. Book 10 cents in stamps. World's Dispensary Med ical Association, Buffalo, N. Y.



PURE BLOOD JERSEYS. AND HEREFORD STEERS

THE PRESCOTT

DESCRIPTIVE CIRCULAR.

Farmers' Boilers, Vegetable Cutters, Corn Shellers, Ross Ensilage Cutters,

POULTRY SUPPLIES, all kinds,

THE BELMONT STRAWBERRY.

PARKER & WOOD! 49 NORTH MARKET STREET, BOSTON.

Plain and Mixed Bird Seed in Bulk or Package.

C. H. THOMPSON & CO., AGRICULTURAL IMPLEMENTS, SEEDS, AND WOODEN WARE. 71 Clinton, 80 and 82 South Market Streets.



The following Milk and Butter Records have all been made, by animals now in our Reed: MILK RECORDS. Five Cows have averaged over 19,000 lbs.in a year. Ten Cows have averaged over 18,000 lbs.in a year.

BUTTER | RECORDS.

PARSON'S MAKE PI

CONDITION WAKE HENS LAYED

Asthma. aveyards are full of peo cured by dosing the syst vith poisonous drugs. If vo A REMARKABLE CURE. re ailing and have tried me e without being cured, do n discouraged, but take advanta of the offer we make you. We wi end you, on trial, one of our Electi fedicated Appliances to suit yo ng. Is not this a fair offer? Dif rent Appliances to cure Dys ASES ASTHMA, CATARRE, LAN

has not had one of those paroxysms that had gen ally been so distressing to her.

MANSFIELD, Mass., Oct. 1885

devote his attention to the cure of Asthma. Hay Fever, Deafness cases of the Respiratory Or Nervous System. Hours from 8 until 12 daily. Office and Residence 115 BOYLSTON STREET.

THE SCIENCE OF LIFE. ONLY \$1 BY MAIL POST-PAID.

Give away as premiums to those forming cuose ro-the sale of their TEAS and COFFEES, Dinner. Ins-and Toilet Sets, Stinervare, Watches, etc. WHITE TEA SETS of 46 and 68 pieces with \$10 and \$12 orders. Decorated TEA SETS of 44 & 56 pieces with \$10 and \$13 orders. STEM-WINDING

LATEST IMPROVED HORSE-POWER

120 NEW SCHAP PICTURES and 48 New 100 Chromo and Gold Scrap Cards sent Postpaid for 10 cts. CENTERBROOK CARD CO., Center break, Cana A FARM TO LET.

THOROUGHBRED

MACHINES

Threshing and Cleaning Grain and Sawing Wood-

ANNOUNCEMENTS FOR 1886.

Illustrated Serial Stories.

AWAY DOWN IN POOR VALLEY, by

JAMES ANTHONY FROUDE.

ADVICE TO YOUNG SINGERS, by

Entertaining. PERSONAL ANECDOTES of John Marshall,
DRIFTED IN: A Story of a Storm-Bound Train,
EXPLOITS OF AMERICAN BICYCLISTS, by
BENJ. F. SPENCEB. A RAW RECRUIT, and What Happened to Him, A. D. CHILDS. STORIES OF LETTER-CARRIERS, by T. W. STARKWEATHER.

THE "CRITTER BACK" REGIMENT, and Other Tales of Old Campaigns, by



BEST Holiday Gift

REWARD!

The control of the co



MASSACHUSETTS PLOUGHMAN AND NEW PIGLAND JOURNAL OF AGRICULTURES, "BOSTON, SATURDAY, DICKERS 5, 1985."

BE DATE OF SCHOOL AND SHAPE AND S

XL LOUGHMAN BI

cor. Devon ew Post Office

> orial. RM STOCK on the farm

> > icult tasks w o perform. o deal out t

ten suffers g he animals even for stock of c it as it s imals requ erefore the each anin particular v while the

> ule, if ch anin ho take n he se ess loss

fodder